

WHAT IS CLAIMED IS:

1. Display arrangement for providing optical information in an observer's field of view, comprising:

a picture source;

a picture transmission device; and

an eyepiece; wherein

the picture transmission device includes a fiber optics section; and

the fiber optics section is at least partially surrounded by a material which is bendable and which remains in the shape assumed by the bending.

2. The display arrangement according to Claim 1, further comprising:

a setting mechanism arranged between the picture source and the picture transmission device, whereby the picture transmission device can be secured in its momentary position after a torsion movement in the fiber optics section.

3. The display arrangement according to Claim 1, wherein the eyepiece has optical elements and a setting mechanism for setting the optical elements.

4. The display arrangement according to Claim 2, wherein the eyepiece has optical elements and a setting mechanism for setting the optical elements.

5. A display arrangement, comprising:

Sub
1
ent
a picture source;

an eyepiece for displaying the picture in a field of view of a viewer's eye; and

an elongate plastically deformable picture transmission device which mechanically and optically couples said picture source and said eyepiece.

6. The display arrangement according to Claim 5, wherein said picture transmission device comprises:

a fiber optic section; and

a plastically deformable sheathing surrounding at least a part of said fiber optic section.

7. The display arrangement according to Claim 6, wherein

said sheathing comprises a metallic material.

7
100

09222005-080601